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CERTIFICATE OF ANALYSIS

Re-test Date:

Product Name: Cisatracurium Besylate EP Impurity Q

Identification:

Chemical Name: (1R,2R)-1-[(3,4-Dimethoxyphenyl)methyl]-2-[3-[[5-[[3-[(1R)-1-[(3,4-dimethoxyphenyl)methyl]-6,7dimethoxy-3,4-dihydroisoquinolin-2(1H)-yl]propanoyl]oxy]pentyl]oxy]-3-oxopropyl]-6,7-dimethoxy-2-methyl-1,2,3,4tetrahydroisoquinolinium benzenesulfonate (as per EP);(1R,1'R,2R)-2-Methyl-2,2'-(3,11-dioxo-4,10dioxatridecamethylene)bis(1,2,3,4-tetrahydro-6,7-dimethoxy-1-veratrylisoquinolinium) benzenesulfonate (as per USP)

Synonyms	:	NA
CAS Number	:	NA
CAT Number	:	CP-C126030
Molecular Formula	:	C52H69N2O12 : C6H5O3S
Molecular Weight	:	914.1: 157.3

Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	1HNMR	Confirm to structure

Ms Priyanka Salunkhe (Quality Control)

Prepared and Reviewed By

Approved By

Ms Rohini Gagare (Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.

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Analysis Date: